

SPEECH TO DTMF CONVERSION

ABSTRACT OF THE DISCLOSURE

A headset or headset system and method utilizing voice recognition technology for translating spoken digits, numbers, and/or letters to in-band dual tone multi-frequency (DTMF) tones to facilitate, for example, navigation of DTMF-controlled systems such as voice mail are disclosed. The headset system generally includes a speech recognition engine that, when activated, receives audio signals from a headset microphone and interprets the audio signals representing digits, letters, and/or numbers, and a DTMF tone generator that generates in-band DTMF tones representing the interpreted audio signals.

10 The speech recognition engine may be activated via a DTMF activation button or voice command. A voice synthesizer may be provided in order to confirm accuracy of the interpreted audio signals. The in-band DTMF tone generator generally generates DTMF tones with a direct correspondence to the interpreted audio signals. The speech recognition engine may further be configured to interpret a predefined set of commands

15 and/or user responses.